

WHAT IS CLAIMED IS:

1. A navigational system for detecting a current position to generate positional information, comprising:

transmitting means for transmitting positional information of said navigational system;

receiving means for receiving positional information of other navigational systems;

relative position determining means for determining a relative positional relationship including a relative distance between said navigational system and said other navigational systems on the basis of the positional information of said navigational system and said other navigational systems; and

display means for displaying said relative positional relationship.

2. The navigational system according to claim 1, wherein said transmitting means transmits identification information of said navigational system along with said positional information thereof, said receiving means receives the positional information of said other navigational systems along with identification information thereof, and said display means displays said relative positional relationship between said navigational system and said other navigational systems along with said identification information of said other navigational systems.

3. The navigational system according to claim 1, and further comprising an alarm generating means for generating an alarm signal when said relative positional relationship between said navigational system and said other navigational systems becomes a predetermined relationship.

4. The navigational system according to claim 2, and further comprising an alarm generating means for generating an alarm signal when said relative positional relationship between said navigational system and said other navigational systems becomes a predetermined relationship.

5. The navigational system according to claim 3, wherein said alarm generating means generates an alarm signal when said relative distance between said navigational system and said other navigational systems has exceeded a predetermined limit distance.

6. The navigational system according to claim 4, wherein said alarm generating means generates an alarm signal when said relative distance between said navigational system and said other navigational systems has exceeded a predetermined limit distance.

7. The navigational system according to claim 3, and further comprising a reference position detecting means for detecting a predetermined reference position on the basis of the positional information of said navigational system and said other navigational systems, wherein said alarm generating means generates an alarm signal when a relative distance between said reference position and a current position of said navigational system has exceeded a predetermined limit distance.

8. The navigational system according to claim 4, and further comprising a reference position detecting means for detecting a predetermined reference position on the basis of the positional information of said navigational system and said other navigational systems, wherein said alarm generating means generates an alarm signal when a relative distance between said reference position and a current position of said navigational system has exceeded a predetermined limit distance.

9. The navigational system according to claim 3, and further comprising a reference position detecting means for detecting a predetermined reference position on the basis of the positional information of said navigational system and said other navigational systems, wherein said alarm generating means generates an alarm signal when a relative distance between a current position of any one of said other navigational systems and said reference position has exceeded said limit distance.

10. The navigational system according to claim 4, and further comprising a reference position detecting means for detecting a predetermined reference position on the basis of the positional information of said navigational system and said other navigational systems, wherein said alarm generating means generates an alarm signal when a relative distance between a current position of any one of said other navigational systems and said reference position has exceeded said limit distance.

11. The navigational system according to claim 3, wherein said alarm generating means generates an alarm signal when a relative distance between said navigational system and any one of said other navigational systems that is nearest to said navigational system has exceeded a predetermined limit distance.

12. The navigational system according to claim 4, wherein said alarm generating means generates an alarm signal when a relative distance between said navigational system and any one of said other navigational systems that is nearest to said navigational system has exceeded a predetermined limit distance.

13. The navigational system according to claim 3, wherein said alarm generating means generates an alarm signal when a relative distance between the navigational system which heads in a progress direction and the navigational system which trails in the progress direction has exceeded said limit distance.

14. The navigational system according to claim 4, wherein said alarm generating means generates an alarm signal when a relative distance between the navigational system which heads in a progress direction and the navigational system which trails in the progress direction has exceeded said limit distance.

15. The navigational system according to claim 1, wherein said transmitting means and said receiving means transfer said positional information via a base station.

16. The navigational system according to claim 2, wherein said transmitting means and said receiving means transfer said positional information via a base station.

17. The navigational system according to claim 3, wherein said transmitting means and said receiving means transfer said positional information via a base station.

18. The navigational system according to claim 4, wherein said transmitting means and said receiving means transfer said positional information via a base station.